9/22/94-02222

OHM Remediation Services Corp.

Via Facsimile

September 22, 1994

Commander
Department of the Navy
Atlantic Division
Naval Facilities Engineering Command
Attn: Mr. David Forsythe, Remedial Project Manager
1510 Gilbert Street
Norfolk, Virginia 23511-2699

RE: Groundwater Monitoring Well Elevations and Groundwater Extraction Well Drilling
LANTDIV Contract No. N62470-93-D-3032
Camp Allen Landfill
Naval Base, Norfolk, Virginia
OHM Project # 15856

Dear Mr. Forsythe:

Pursuant to your letter dated September 22, 1994, OHM Remediation Services Corporation (OHM) is prepared to collect water level measurements in the seven monitoring wells listed in your letter at Area B. OHM will report the depth to water measurements as the average of three readings, taken from the top of the well casing. OHM has procured the services of a local, licensed surveyor to re-survey the elevations of the well casings in the subject wells. The accuracy of the elevations will be measured to the nearest .01 foot. These measurements can be made immediately, so that the placement of the extraction wells in Area B can be re-evaluated, and installed with minimal delay to the schedule. It has been observed by OHM that a fire hydrant located on B Street has been leaking for some time, and may have contributed to the erroneous water table elevations measured in the past.

Due to field conditions, including overhead and underground utilities, and the potentially heterogenous nature and high debris content of typical landfills, OHM anticipates the necessity of relocating some of the extraction wells. OHM requests guidance from LANTDIV on the procedure to re-locate a well if it cannot be safely or practically installed at the location specified by the design consultant.

As per the design specifications (Drawing C-1), three existing monitoring wells in Area B are to be converted to extraction wells. All three of these wells are constructed of two-inch diameter

well screen and riser. Although it may be possible to install a customized small-diameter submersible pump with level sensors in each of these wells, it may be more effective and practical to install new six-inch diameter wells with standard pumps and controls instead. Increasing the diameter of the three wells may, however, have an impact on the flow capacity of the treatment system if these wells are operated at flow rates greater than the design rate of 5 gallons per minute. OHM requests that these issues be presented to the design consultant, and evaluated for possible implementation.

As you know, OHM is currently drilling extraction wells in Area A. In order to proceed as scheduled, please reply immediately. Thank you for your attention. If you have any questions or concerns, please call me at (609) 588-6397.

Sincerely,

David E. Fulton

David E. Fulton, C.P.G.
Senior Project Hydrogeologist

DMM:dmm

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OHM Project # 15856